



MINISTERIO
DE ECONOMÍA, INDUSTRIA
Y COMPETITIVIDAD



EXCELENCIA
MARÍA
DE MAEZTU



“INPhINIT” predoctoral positions in Particle Physics and Cosmology at CIEMAT-Particle Physics within "La Caixa" INPhINIT Programme

The CIEMAT-Particle Physics (CIEMAT-FP) group **offers three pre-doctoral contracts** for outstanding young graduates to carry out a PhD thesis at CIEMAT. The positions are in the context of the CMS experiment at the LHC, neutrino field and observational Cosmology. The CIEMAT-FP group was recognized in 2015 with the María de Maeztu Unit of Excellence accreditation by the Spanish Ministry of Economy and Competitiveness. This accreditation distinguishes the best research groups that stand out for the relevance and impact of their research outcomes at an international level, significantly contributing to expand the frontiers of knowledge, as well as to the leadership of Spanish science.

These positions are funded by the "La Caixa" Foundation under the INPhINIT programme, a new doctoral fellowship programme devoted to attracting **International Early-Stage Researchers** to the top Spanish research centres in the areas of Bio and Health Sciences, **Physics**, Technology, Engineering and Mathematics. INPhINIT relies on the **European Commission's support** through the Horizon 2020 Marie Skłodowska- Curie Actions - COFUND programme to recruit a larger number of researchers and achieve a broader impact, as well as to further pursue the highest standards for research training.

The three **PhD positions offered** at **CIEMAT-Particle Physics** are:

- [Search for new physics effects with the CMS detector at the LHC](#)
- [Validation of the dual-phase liquid argon TPC technology for the measurement of neutrino oscillations with DUNE](#)
- [The role of the high energy processes in the star formation](#)

Interested candidates who satisfy the eligibility criteria and with an excellent CV are encouraged to apply online. The application **deadline** is **February 1, 2018**.

Programme description:

<https://obrasociallacaixa.org/en/educacion-becas/becas-de-posgrado/inphinit>

Eligibility criteria and how to apply:

<https://obrasociallacaixa.org/en/educacion-becas/becas-de-posgrado/inphinit/call-for-application>

For more information:

General information about **CIEMAT-Particle Physics** is available at <http://cfp.ciemat.es/>.

For any questions, please visit the INPhINIT webpage above or contact María de Maeztu Unit of Excellence CIEMAT-FP Project Manager Dr. Pilar Coca (mdm.cfp@ciemmat.es)